

15.6600

SAC-DO/00/000/06/002/004  
ECCB/E112

AUTHORS: Gromova, L.G., and Dintses, A.I.

TITLE: Influence of Polar Additives on the Quality of  
Lithium-Based Greases in Silicone FluidsPERIODICALS Khimiya i tekhnologiya topliv i masel, 1960, No 6,  
pp 29-35 (USSR)

ABSTRACT: Polar additives, added at concentrations up to 5% to lithium greases for silicone fluids, can improve their lubricating qualities without diminishing the colloidal stability of the grease. Colloidal stability was assessed by electron microscopy, extrusion of fluid base from the grease, and shear strength. The method of introducing the additive is important. Addition at the commencement of manufacture using silicone fluid No 4, of 1% oxidized ceresin (MNI-7) or 5% vinyl VB-2 increases stability; 5% of a sulphur additive, or 10% pentaerythryl ether mixed with monobasic C<sub>5</sub> - C<sub>7</sub> acids scarcely affect it; tricresyl phosphate (TCP) added at the start of manufacture in any concentration greatly diminishes colloidal stability. Stability is somewhat improved by introducing the additives to the melt at 205 °C, and even more so by addition to the prepared grease cooled

Card 1/3

S158

S/003/60/000/06/002/004  
E030/E112

Influence of Polar Additives on the Quality of Lithium-Based Greases in Silicone Fluids

to 60-70 °C prior to homogenization; in the latter case 3% pentachlorodiphenyl and even 3% TCP scarcely alter celluloidal stability. The effects of different dispersing media have been studied at the optimum grease concentration (10% lithium stearate plus 0.25% phenyl alphanaphthylamine as an anti-oxidant).<sup>11</sup> Spindle oil provides greater stability than silicone fluid No 4 (1.4% liquid extruded instead of 3.6%), but has 5 times greater viscosity at -50 °C. Results similar to silicone fluid No 4 are obtained with 26% residue silicone fluid No 3, dioctyl sebacate, thioldivalerianate, and a 1:1 mixture of thioldivalerianate and silicone fluid No 6; however, the shearing strengths are rather lower. The effects of different additives, added before homogenization, using silicone fluid No 4 as a base, have been studied. The shearing strength is scarcely altered by 1% MNI-7 or 3% pentachlorodiphenyl, increased by a factor of 2 by vinyl VB-2, and markedly decreased by 3% of sulphur additive VNII-NP, 5% pentaerythryl ether, or 3% TCP. Thus, addition of MNI-7 (1%), or 3% of vinyl VB-2, markedly improve the overall characteristics of the greases.

X

Card 2/3

81589  
S,065/60/000/06/002/00  
E030/E11.2

Influence of Polar Additives on the Quality of Lithium-based  
Greases in Silicone Fluids

There are 3 figures, 4 tables and 10 Soviet references.

ASSOCIATION: Moskovskiy neftemaslozavod i VNII NP  
(Moscow Petroleum-Lubricant Works, and VNII NP)

Card 3/3

45386  
8/08/63/000/002/075/008  
B149/B144

11.9700

AUTHORS: Gromova, L. G., Dintses, A. I.

TITLE: The use of esters and high-polymeric compounds in the production of hard-fat lubricants

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 468, abstract 2P172 (Tr. Vses. n.-i. in-t po pererabotke nefti i gaza i polucheniyu iskusstv. chidk. topliva no.8, 1959, 177-185)

TEXT: The effect of polymeric additives of polyisobutylene (I) and polyisoctylmethacrylate (molecular weight ~12000 and 14000 respectively) on the properties of plastic lubricants, prepared from MVP GOST 1805-51 (MVP GOST 1805-51) oil and also from the di-2-ethyl hexyl ester of sebacic acid (diisoctyl sebacate (DOS)) was investigated. The compositions were thickened with Li-soap of stearic acid (a powder with saponification number 0, excess of alkali up to 0.50%, moisture content 0.15%). The optimum content of soap for the compositions is 10-12%. Addition of 1-3% (in relation to the lubricant) of the indicated polymers improved the lubricant quality by strengthening its colloidal structure. For

Card 1/2

The use of esters and high-polymeric ...

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B149/B144

compositions prepared with DOS, I acts as the best structure-strengthening agent (I has a limited solubility in DOS). Plastic lubricants may be prepared with a DOS base and addition of 1 to 3% of I; they possess an insignificant volatility (< 0.5% at 100°C in 24 hours), low grease bleeding (1.5 to 3% at 100°C in 24 hours) and a favorable relation between shear stress and temperature, with other properties close to those of the low-temperature lubricants ЧИАТМ-201 (ЧИАТИМ-201) and ОКБ-122-7 (OKB-122-7). [Abstracter's note: Complete translation.] ✓

Card 2/2

ACCESSION NR: AR4036319

S/0081/64/000/004/P039/P040

SOURCE: Reforativnyy zhurnal. Khimiya, Abs. 4P277

AUTHOR: Martyanova, N. V.; Dintses, A. I.; Popova, L. A.; Potolovskiy, L. A.

TITLE: Development of an industrial method for the production of polyisobutylene, binding additive to petroleum oils

CITED SOURCE: Tr. Vses. n.-i. in-t po pererabotke nefti, vy\*p. 9, 1963, 68-80

TOPIC TAGS: petroleum, petroleum additive, oil additive, polyisobutylene, polymerization, isobutylene polymerization, mineral oil, polymerization catalyst

TRANSLATION: Laboratory experiments on the polymerization of isobutylene (the butan-butylene fraction, containing 12-30% isobutylene, was used as the raw material), designed to obtain polyisobutylene with a molecular weight of 15-20,000 which could be used as a binding additive to mineral oils, were performed in the presence of an  $\text{AlCl}_3$  catalyst (2% of the isobutylene) in a 1-liter reaction vessel with a stirrer of the propeller type at temperatures of -35 to -45C. The relationship between the molecular weight of polyisobutylene and the content of isobutylene in the raw material, the ratio of isobutylene to n-butylene in the raw material, the content of C<sub>5</sub> hydrocarbon in the raw

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ACCESSION NR: AR4036319

material and the temperature of polymerization is presented graphically. The effect of polymerization accelerators such as trichloroacetic acid, isobutanol and n-butylchloride was investigated. Addition of isobutanol (0.01-0.02% of the isobutylene) and n-butylchloride (0.6-6% of the isobutylene) cut the time of polymerization approximately in half and improved the fractional composition of the polyisobutylene somewhat. It was found that addition of a 9% solution of  $\text{AlCl}_3$  in  $\text{C}_2\text{H}_5\text{Cl}$  instead of solid  $\text{AlCl}_3$  decreased the consumption of  $\text{AlCl}_3$  by approximately 66% and increased the speed of polymerization 6-7 fold. The results of laboratory experiments were confirmed on an experimental set-up. The flow sheet worked out for an industrial plant is presented. The polymerizing capacity of the obtained polyisobutylenes of various average molecular weights (from 15,000 to 20,000) was evaluated on axle oil. A. Ravikovich

DATE ACQ: 10Apr64

SUB CODE: FP, OC

ENCL: 00

Card

2/2

TERTERYAN, R.A.; DINTSES, A.I.; RYSAKOV, M.V.

Block copolymerization of ethylene with vinylacetylene.  
Zhur. VKHO 8 no.5:589-591 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftepererabatyvayushchey promyshlennosti.

FIALKO, M.M.; DINTSES, A.I.

Study of inorganic salts with the purpose of using them  
as high-temperature lubricants. Khim. i tekhn. topl. i  
masel 8 no.10:22-26 O '63. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pere-  
rabeشه nefti i gazov i polucheniju iskusstvennogo  
zhidkogo topliva.

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L 37719-65

ACCESSION NR: AF4017574

structural alloys, forming intermetallic surfaces. Only Pb and Sn, both toxic and strongly oxidized, could be used. Therefore, for 400-700C operations, inorganic salts are suggested. If the structural alloys were replaced by ceramics, liquid metals might be preferable to the inorganic salts. Orig. art. has: 2 tables and 1 figure.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LM

NO REF Sov: 006

OTHER: 000

ACCESSION NR: AP4024405

S/0204/64/004/001/0068/0076

AUTHOR: Braudo, Ye. Ye.; Dintses, A. I.

TITLE: Radiation copolymerization of ethylene and carbon monoxide

SOURCE: Neftekhimiya, v. 4, no. 1, 1964, 68-76

TOPIC TAGS: radiation copolymerization, ethylene carbon monoxide copolymer, gamma radiation initiation, gas phase copolymerization, liquid phase copolymerization, radical mechanism, copolymerization rate, dosage rate, copolymer orderliness, relative activity, entropy, heat of activation

ABSTRACT: The Co<sup>60</sup> gamma-radiation initiated copolymerization of ethylene and carbon monoxide at pressures to 300 bars was studied. The products formed in gas phase copolymerization at various temperatures within the 25-215C interval were compared among themselves and with the product formed by reaction in benzene. A radical reaction mechanism was assumed. It was established that the rate of copolymerization is proportional to the dosage rate, i. e., to the

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ACCESSION NR: AP4024405

initiation rate. No methyl groups were detected by IR spectra in the copolymers formed at different dosage rates. Increasing the CO content of the initial mixture results in increase in the copolymerization process rate, in the radiochemical consumption and in the melting point of the copolymer formed. The melting point of a copolymer formed with little CO in the initial mixture is lower than that of polyethylene synthesized under the same conditions. By increasing initial total concentration of monomers, the copolymerization rate, melting point and molecular mass of the product is increased and the degree of orderliness in the copolymer is somewhat decreased. Within the range studied, the process rate is greatest in the 70-120C interval. The copolymers formed at 25-95C are similar to each other (fine white powder melting at about 170C, having a high degree of orderliness, and insoluble in chloroform at room temperature). They differ from the copolymers formed at 120C (yellow crystalline material, melting 130-140C, readily soluble up to 15% in chloroform). The copolymer formed at 215C is a brown viscous liquid. Copolymers formed in the presence of benzene are also different: they are higher melting (185-195C) white powders, insoluble in pyridine, and have a slower reaction rate with hydroxylamine. The values for

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ACCESSION NR: AP4024405

relative activity of the monomers in the gas phase at 70C were obtained:  $r_{C_2H_4} = 0.16$ ;  $r_{CO} = 0$ . The relative activity-  $r_{C_2H_5}$  -temperature relationship was studied (fig. 1). The difference in entropy and heat of activation of the elementary reaction with chain growth in this temperature interval was calculated: 41.8 + 3.8 joules/mol. degree and 19300 + 1700 joules/mol., respectively. "The authors are indebted to Yu. L. Khmel'nitsko and V. V. Nesterov for constant help in the work, and also to A. V. Yermolina and A. D. Yermolayev for completing x-ray analysis, to A. D. Abkin and P. M. Khomikov for discussing results." Orig. art. has: 3 figures, 5 tables and 1 equation.

ASSOCIATION: Vsesoyuzny\*y nauchno-issledovatel'skiy institut po pererabotke nefti (All Union Scientific Research Institute for Petroleum Refining)

SUBMITTED: 15Apr63

DATE ACQ: 17Apr64

ENCL: 01

SUB CODE: 00

NO REF SOV: 004

OTHER: 026

Card 3/4

ACCESSION NR: AP4024405

ENCLOSURE: 01

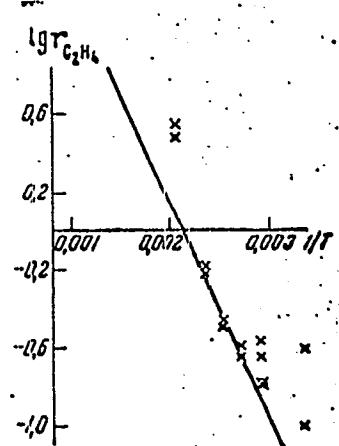


fig. 1. Relationship of the value of relative activity  $r_{C_2H_4}$  to temperature.

☒ -  $r_{C_2H_4} = 0.16$  at 70C

Card : 4/4

ACCESSION NR: AP4040603

S/0204/64/004/003/0441/0446

AUTHOR: Braudo, Ye, Ye.; Kadushin, A. A.; Dintses, A. I.

TITLE: Structure and thermal conversion of copolymers of ethylene and carbon monoxide

SOURCE: Neftekhimiya, v. 4, no. 3, 1964, 441-446

TOPIC TAGS: ethylene carbon monoxide copolymer, structure, IR spectra, crotonyl condensation, thermal condensation, cross linkage, molecular mobility, polyketone structure, electroconductivity

ABSTRACT: As a continuation of work on the structure and thermal conversion of copolymers of ethylene and carbon monoxide formed by cobalt-60 gas phase gamma-irradiation (Ye. Ye. Braudo, A. I. Dinstses, Neftekhimiya, No. 1, 68, 1964) the authors made an intensive study of the IR spectra of these copolymers synthesized at different temperatures. Interpretation of the IR spectra of copolymers synthesized at 70-120°C indicated they have a polyketone structure. The copolymers synthesized at 215°C have a more complex structure and different physical properties. It was assumed that the thermal conversion of the copolymers is caused by crotonyl

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ACCESSION NR: AP4040603

condensation of the ketones. The condensed volatile product was mostly water. The electric conductivity of less than  $10^{-13} \cdot 10^{-5}$  ohm $^{-1}$  cm $^{-1}$  indicated an absence of conjugated double bonds in the thermal condensation products. The reduced mobility of the fragments of the molecular chain and inhibition of the condensation reaction indicate the formation of a cross-linked structure. "The authors thank Yu. L. Khmel'nitskii and V. V. Nesterovskii for providing the opportunity of conducting our work, and also collaborator of the Institute of Petrochemical Synthesis I. I. Pat-alakh for determining the electroconductivity of the products." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti  
(All-Union Scientific Research Institute for Petroleum Reprocessing)

SUBMITTED: 17Jun63

ENCL: 00

SUB CODE: OC

NO REF Sov: 001

OTHER: C12

Card 2/2

VINOGRADOV, G.V., doktor khim. nauk, prof., otv. red.; DINTSES,  
A.I., doktor khim. nauk, otv. red.; GARKUNOV, D.N.,  
doktor tekhn. nauk, otv. red.; GORSHKOV, G.B., red.

[Theory of lubricating action and new materials] Teoriia  
smazochnogo deistviia i novye materialy. Moskva, Nauka,  
1965. 245 p. (MIRA 18:7)

1. Akademiya nauk SSSR. Nauchnyy sovet po treniyu i  
smazkam.

L 01011-66 EWT(m)/EFF(c)/EWP(j)/T DJ/RM

ACCESSION NR: AP5019983

UR/0065/15/000/008/001/0024 68  
542.61.002.2

AUTHOR: Anosov, V. I.; Dintses, A. I.; Martynova, N. V.; Mullin, M. A.; Nikonorov, Ye. M.; Popova, L. A.; Savostin, A. V.; Chemodanova, Ye. S.

TITLE: Development of a continuous process for production of polyisobutylene with molecular weights of 10,000 and 20,000

SOURCE: Khimiya i tekhnologiya topliv i masei, no. 8, 1965, 19-24

TOPIC TAGS: isobutylene, polymerization, lubricant additive, fuel thickener

ABSTRACT: The objective of the study was to develop a continuous process for production of polyisobutylene with molecular weights of 10,000 (commercial oil additive P-10) and 20,000 (commercial oil additive P-20). These additives are used in manufacturing automotive, aviation, and some special purpose lubricating oils. Isobutylene is polymerized in an inert solvent (isobutane, pentane, and others) using  $HgCl_2$  (in ethyl or methyl chloride) as a catalyst. Flow-sheet of the industrial scale polymerization unit is shown in fig. 1 of the Enclosure. The linear velocity of the reacting mixture through the reactor is 3-3.5 m/sec and the heat exchange

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ACCESSION NR: AF5019983

area is 1 m<sup>2</sup> per 8 liters of reactor working volume. The optimum polymerization conditions are: 0.1-0.15 wt. % of AlCl<sub>3</sub> based on isobutylene, 35% isobutylene in the feedstock and 9 to 10°C below zero in the case of P-10 additive; and 25% isobutylene in the feedstock and 20°C below zero in the case of P-20 additive. In respect to molecular weight, more homogeneous product is obtained from the continuously operating isobutylene polymerization reactor than from a batch-type reactor. Orig. art. has: 4 figures, 4 tables.

ASSOCIATION: VNII NP; Yefremovskiy zavod sinteticheskogo kauchuka (Yefremov Synthetic Rubber Plant) <sup>14,55</sup>

SUBMITTED: OO

ENCL: 01

SUB CODE: GC, IE

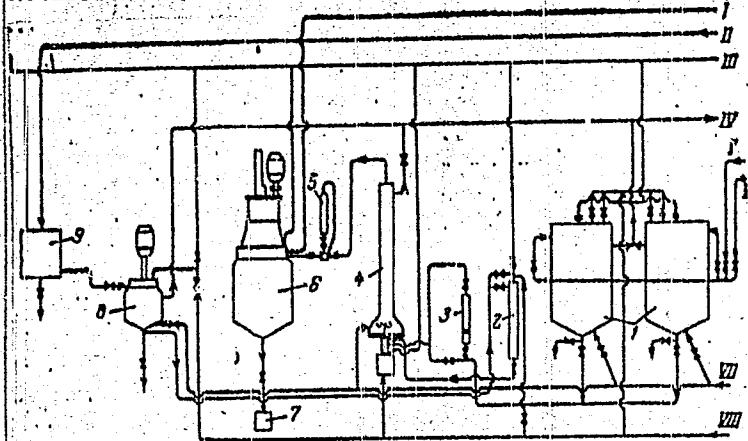
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OTHER: 001

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ACCESSION NR: AP5019983



ENCLOSURE: 01

Fig. L. I--vacuum line; II--ethyl chloride to the unit; III--air line; IV--gaseous ammonia from the unit; V--isobutylene to the unit; VI--isobutane to the unit; VII--liquid ammonia to the unit; VIII--nitrogen from the cylinders; 1--ammonia-cooled reservoirs containing isobutylene-isobutane mixture; 2--metering tank with catalyst solution; 3--rotameter on the feed line; 4--polymerization reactor, mixing by bubbling nitrogen through the solution at minus 25-35°C; 5--metering tank with ethyl alcohol (for deactivating catalyst present in the product); 6--gas separator (two in a unit) where gases are removed during 1-2 hour heating at 100-120°C under agitation; 7--polyisobutylene product drain; 8--catalyst make-up vessel, ethyl chloride and AlCl<sub>3</sub> mixed for 1 hr at 15-20°C; 9--catalyst container.

Card 3/3 *AFP*

TERTERYAN, R.A.; BRAUDO, Ye.Ye.; DINTSES, A.I.

Free radical copolymerization of ethylene. Usp.khim. 34 no.4:666-702  
Ap '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti  
i gaza.

ANOSOV, V.I.; DINTSES, A.I.; MARTYNOVA, N.V.; MULLIN, M.A.; NIKONOROV, Ye.M.;  
POPOVA, L.A.; SAVOSTIN, A.P.; CHEMCDANOVA, Ye.S.

Development of the continuous method for the preparation of polyisobutylene with 10,000 and 20,000 molecular weights. Khim. i tekhn. topl. i masel 10 no.8:19-24 Ag '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva i Tefremovskiy zavod sinteticheskogo kauchuka.

DINU, C.

TECHNOLOGY

Periodicals: REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII  
Vol. 10, no. 7, July 1958

DINU, C. Marginal remarks on the article "General Criteria for the  
Evaluation of the Economic Efficiency of Investments." p. 392

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

COSTIMESCU, N., prof.; POPOVICI, Octavian, dr.; TRICOMI, Sav. dr.; VILIU, C., dr.; ARAGAMU, V., dr.

Management of the lymph-node areas in cancer of the larynx.  
Otorinolaringologie (Bucur.) 9 no.4e297-302 (-) 165

1. Literare efectuata in Clinica de otorinolaringologie, Iasi.

DINU D.

Distr: 4E2c(j)/4E3b/4E3d

Preparation of cyclobutadiene. C. D. Nenitescu, Margareta Avram, Eliza Marcus, Maria Maxim, and Ioana Dincu (Chem. research center, Acad. R.P.R., Bucharest, Romania). *Acad. rep. populare Române, Studii cercetări chim.* 7, 481-504(1959).—A literature review (and results of exptl. work based on it) was presented in connection with the synthesis of cyclobutadiene or alkyl- and aryl-cyclobutadiene derivs. Hofmann degradation of the diquaternary base of 1,3-diaminocyclobutane, thermal-decompr. of cyclooctatetraene adducts, and attempts to prepare cyclobutadiene from brominated derivs. of cyclobutane were performed. Cyclobutadiene was detected in  $\text{AgNO}_3$  and Hg complexes, as well as (for a short period) in the gaseous state. Transformation of the Hg-cyclobutadiene complex into cyclooctatetraene was accomplished. Alkylated and arylated derivs. of cyclobutadiene were prep'd. (32 references) (Summaries in Russian and English).

M. Lapinot

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1-BW(BW)  
2-JoJ(CNB)(unreg)  
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"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9

DINU, D.

Use of engraving in cartography work. Rev geodesie 7 no.1:66-67 '63.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9"

DINU, DOINH

Distr: 4E3d

Investigation in the cyclobutane series. VII. Dibenzotetacyclo[4.2.0.0<sup>2,6</sup>]octa-3,7-diene and dibenzocyclooctatetraene. Margareta Avram, Dolna Dinu, Georg Mateescu, and Costin D. Nemitzescu (Acad. R.V.R., Bucharest, Romania). *J. Am. Chem. Soc.* 93, 1785-84 (1971); *CA* 74, 8044. Benzocyclobutadiene (I) in situ *ascendit* dimers in the presence of Ni(CO)<sub>4</sub>, (II) to 3,4,7,8-dibenzotetacyclo[4.2.0.0<sup>2,6</sup>]octa-3,7-diene (III). III on warming was converted, with cleavage of the middle cyclobutane ring, to 1,2,5,6-dibenzocyclo[3.2.0]hepta-4,7-tetraene (IV), which, with Br, underwent ring contraction to 2,5-dibromo-3,4,7,8-dibenzocyclo[4.2.0]octa-3,7-diene (V). 1,2-Di-Br deriv. (30 g.) of I and 8.5 g. II in 300 cc. dry Et<sub>2</sub>O shaken 0.5 hr. manually and 3 hrs. mechanically with 600 g. 0.5% Li-Hg (or 180 g. 0.5% Na-Hg), the Et<sub>2</sub>O layer decanted, the Hg sludge washed with Et<sub>2</sub>O, the combined Et<sub>2</sub>O solns. washed with H<sub>2</sub>O and filtered from 7.6% yellow solid contg. 16% N; and the filtrate worked up yielded 7.8 g. III, m. 133° (ligroine or Et<sub>2</sub>O). III (1 g.) in 20 cc. o-C<sub>6</sub>H<sub>5</sub>Cl, refluxed 4-5 hr. under N, and evapd. *in vacuo* gave 0.73 g. IV, m. 109° (sublimed *in vacuo*). IV in EtOAc oxidized and treated with H<sub>2</sub>O<sub>2</sub> gave phthalic acid and phthalic anhydride. IV (0.1 g.) in 2 cc. MeOH treated with satd. aq. AgNO<sub>3</sub> gave IV-AgNO<sub>3</sub>, m. 223° (EtOH). IV (0.1 g.) in a little C<sub>6</sub>H<sub>6</sub> treated with Ph<sub>3</sub>N-PdCl<sub>4</sub> in C<sub>6</sub>H<sub>6</sub> gave IV-PdCl<sub>4</sub>, m. 224°. IV (1 g.) in 1 cc. CH<sub>2</sub>Cl<sub>2</sub> treated slowly with stirring at -5 to 0° with 1.5 g. Br in CH<sub>2</sub>Cl<sub>2</sub>, kept 0.5 hr. in the cold, and evapd. in vacuo yielded 1.72 g. V, m. 167° (ligroine, b. 60-80°). V (360 mg.) in 160 cc. dry Et<sub>2</sub>O shaken 0.5 hr. with 10 g. 0.5% Li-Hg, filtered under N from the Hg sludge, washed with H<sub>2</sub>O, and worked up yielded 90-120 mg. 4,4-benzotetacyclo[6.4.0.0<sup>2,6</sup>]dodeca-1,4,7,9,11-pentaene (VI), m. 78-80°; upon recrystn. the m.p. rose and the O-content of the material increased. VI kept 12 hrs. in air or treated several hrs. with an air jet in Et<sub>2</sub>O soln. gave the peroxide (VII), m. 138° (decompn.). VII hydrogenated over Pd-C gave a hydrocarbon, m. 105°, contg. 91.07% C and 8.09% H. VI (90 mg.) and 50 mg. maleic anhydride heated 6 min. at 80-90° and extd. with Et<sub>2</sub>O gave 30 mg. hygroscopic adduct, m. 250-5°. VI and N-phenylmaleimide gave (similarly) an adduct, m. above 250° (decompn.). V (2 g.) in 5 cc. glacial AcOH and 1.09 g. KOAc refluxed 12 hrs., filtered, and dild. with H<sub>2</sub>O, and the product isolated with Et<sub>2</sub>O yielded 1.3 g. 2,5-di-AcO analog (VIII) of V, m. 192° (MeOH). VIII (0.13 g.), 0.112 g. KOH, and 5 cc. EtOH refluxed 2 hrs. gave 0.0778 g. 3,4,7,8-dibenzocyclo[4.2.0]octa-3,7-diene, m. 123°; the mother liquor (concd.) gave orange-yellow crystals, C<sub>20</sub>H<sub>16</sub>, m. 130° (MeOH and EtOH). The infrared absorption spectra of these compds. were discussed.

F. W. Hoffmann

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JAN '64  
1-14-16 (YB)  
1-14-17 (1A4)

AVRAM, Margareta; MATIESCU, Gheorghe D.; DINU, Doina; DINULESCU, Ilie G.;  
NENITESCU, Costin D., acad.

Studies in cyclobutane series (VIII). Adducts of benzocyclobutadiene  
with some cyclic dienes. Studii cerc chim 9 no.3:435-445 '61.

1. Institutul de chimie al Academiei R.P.R., Sectia de chimie organica,  
Bucuresti.

MATEESCU, G.D.; AVRAM, Margareta; DINU, Doina; NENITZESCU, C.D.  
[Nenitescu, C.D.]

Infrared spectrum of dibenzotricyclooctadiene. Rev chimie 8  
no.1:13-20 '63.

1. Institute of Chemistry of the Academy of the R.P.R. Bucharest.  
2. Member of the Academy of the R.P.R. (for Nenitescu).

AVRAM, Margareta; MATEESCU, G.D.; DINU, Doina; DINULESCU, I.G.:  
NENITZESCU, C.D. [Nenitescu, C.D.] Member of the Academy of the R.P.R.

Investigations in the cyclobutane series (VIII). Rev chimie 8  
no.1:77-86 '63.

1. Institute of Chemistry of the Academy of the R.P.R., Bucharest.

SIRBU, I. (Galati); DINU, G. (Galati); FATU, N. (Galati)

Material incentive in the Cristea Nicolae Works in Galati.  
Problem econ 16 no.6:105-111 Je '63.

RUMANIA/Farm Animals. General Problems.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78674.

Author : Buriana, L. M.; Gluhovschi, N.;  
Dinu, L.; Pozdere, R.

Inst : Institute of Agronomy.

Title : New Diluent of Sperm and Results Obtained in the  
Practice of Artificial Insemination.

Orig Pub: Anuarul lucrar. stiint. Inst. agron., 1957, 389-398.

Abstract: With the purpose of decreasing the viscosity of vaginal mucus in cows in heat, which represents a certain obstacle to the penetration of spermatozoa in the uterus, a new diluent was prepared for the sperm of bulls which contains: 1.5 g of anhydrous glucose, 0.7 g of citric acid sodium,

Card : 1/2

RUMANIA/Farm Animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78674.

Q

10 ml of egg yolk and 50 ml of a 1% pancreas extract. A vitelline-citrate diluent served as control. It was established that the pancreas extract strongly liquifies the vaginal mucous and increases the mobility and viability of the spermatozoa. Artificial insemination of 128 cows with sperm diluted with the new diluent increased their fertility by 12%: the percent of conceptions amounted to 90.7 as against 78.7 in the control. -- V. V. Polovtsova.

Card : 2/2

5

MATEESCU, Gheorghe; AVRAM, Margareta; DINU, Doina; NENITESCU, Costin D., acad.

Infrared spectrum of dibenzotrichyclooctadiene. Studii cerc chim 9  
no. 3: 427-434 '61.

1. Institutul de chimie al Academiei R.P.R., Sectia de chimie organica,  
Bucuresti. 2. Redactor responsabil "Studii si cercetari de chimie"  
(for Nenitescu).

Distr: I

Distr: LE2c

✓ Acid-resistant silicon nodular cast irons. Traian Dumitrescu, Valentin Medeleanu, Marin Nechita, and Ion Dima, *Rev. Acad. Rep. Populare Romane* 3, 10-27(1958)(in English).—Addn. of Mg to Si cast irons to provide 0.17-0.29% Mg in the finished product gives a nodular cast iron. Compactness, mech. properties, and corrosion resistance are improved. Machinability of nodular iron is inferior but the surfaces have a better appearance. R. S. Young.

DINU, I.

PAVEL, V., Dr.; BIKSZ-WEISS, A., dr.; CHIRITA, P., dr.; DINU, I., dr.;  
CZERNIK, I., dr.

Study of the effect of mercurial diuretics on cardiac  
decompensation. Med. int., Bucur. 4 no.8:1220 1225 Dec 56.

1. Lucrare efectuata la Clinica a II-a medicala (Dir.: prof.  
A. Paunescu-Podeanu) I.M.F. - Timisoara.  
(CONGESTIVE HEART FAILURE, therapy  
mercurial diuretics, mechanism of action, side-effects  
& resist.)  
(DIURETICS, MERCURIAL, ther. use  
congestive heart failure, mechanism of action, side-  
effects & resist.)

BOERU, V.; DINU, I.; RADVAN, A.

Study of the amino acids in the blood of epidemic hepatitis patients. I. Determination of free amino acids. Stud. cercet. inframicrobiol., Bucur. 7 no.1-2:93-99 Jan-June 56.

(AMINO ACIDS, in blood  
in epidemic hepatitis, determ. of free amino acids)  
(HEPATITIS, INFECTIOUS, blood in  
amino acids, free, determ.)

DINU, I.

RUMANIA/Human and Animal Physiology. The Nervous System.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27380.

Author : A. Paunescu-Podeanu, Oct. Baltaceanu, D. Maior,  
I. Dinu and I. Maniu.

Inst : ~~institute~~

Title : Histamine-Induced Headaches. Minor Forms, Those Not  
Undergoing Treatment, Unrecognized and Incorrectly  
Diagnosed Cases.

Orig Pub: Viata med., 1957, 4, No 3, 3-12.

Abstract: No abstract.

Card : 1/1

PAUNESCU-PODEANU, A., Prof.; DINU, I., dr.; GEORGESCU, I., dr.

Rheumatism and oxalic acid; studies of their possible pathogenic and physiopathological relations and adequate therapy. Med. int., Bucur. 9 no.1:39-43 Jan 57.

(RHEUMATISM, metabolism  
oxalic acid, possible pathogenetic significance)  
(OXALATES, metabolism  
oxalic acid, in rheum. diseases, pathogenetic aspects)

PAUNESCU-PODEANU,A.; DINU,I.; GEORGESCU,I.; STERESCU,P.

Research on the mechanism of action of phenylbutazone in rheumatic diseases. Probl. reumat., Bucur. no.6:57-64 '59.

(PHENYLBUTAZONE, pharmacology)

(OXALATES, blood)

(URIC ACID, metabolism)

(RHEUMATISM, therapy)

ATHANASIU, P.; BOERU, V.; DIMU, I.

Study of sideremim in epidemic hepatitis. Stud. cercet. infra-microbiol., Bucur. 10 no.4:497-501 '59.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R., in sedinta din 29 aprilie 1957.  
(HEPATITIS, INFECTIOUS, blood)  
(IRON, blood)

PAUNESCU-PODEANU, A., prof.; DINU, I., dr.; MICIEA, F.

Reflex-conditioned allergic urticaria. Med. intern., Bucur 12 no.12:  
1889-1892 D '60.  
(DERMATITIS VENENATA case reports)

PAUNESCU-PODEANU, A., prof.; GEORGESCU, I., dr.; DINU, I., dr.

Metabolism of oxalic acid and its disorders. Brief data concerning their physiopathology, clinical aspects and therapy derived from our personal investigations. Med. inter., Bucur 13 no.2:169-178 F "61.

(OXALATES metabolism)

PAUNESCU-PODEANU, A., prof.; GEORGESCU, I., dr.; HAMMER, A., dr.; MICLEA, F., dr.; MUNTEANU, M., dr.; RODULA, P., dr.; DINU, I., dr.; DANCAU, G., dr.; CHIRITA, P.

Phenylbutazone as an adjuvant in the therapy of myocardial infarct.  
Med. intern., Bucur 13 no.4:533-539 Ap '61.  
(MYOCARDIAL INFARCT therapy) (PHENYLBUTAZONE therapy)

PUSCARU, D.; OPRESCU, St.; DINU, I.

Dynamics of the growth of the young calves of various breeds, from the birth up to two years of age. Studii cerc biol anim 13 no.4: 549-568 '61.

1. Comunicare prezentata de N. Teodoreanu, membru corespondent al Academiei R.P.R.

PAUNESCU-PODEANU, A.; GEORGESCU, I.; DINU, I.

Metabolism of oxalic acid and its disorders; a short report on its pathophysiology, clinical manifestations and therapy on the basis of personal observations. Cas. lek. cesk 100 no. 34:1067-1072 25 Ag '61.

1. Ustav pro studium lekarstvi, Timisoara.

(OXALATES metabolism)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9

PAUNESCU-PODEANU, A., prof.; DINU, I.; MICLEA, F.

Conditioned reflex allergic urticaria. Rumanian M Rev. no.3:27-29 '61.  
(REFLEX, CONDITIONED) (ALLERGY case reports)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9"

MEZINCESCU, M.D.; POPESCU-STEFANESCU, A.; CRISTEA, E.; DINU, I.

Method for the study of contingent variations of the  
need of nitrogen. Studii cerc biochimie;5 no.4:527-539  
'62.

1. Catedra de chimie biologica I, Institutul medico-  
farmaceutic, Bucuresti.

PUSCARU, D.; VERMESANU, N.; OPRESCU, St.; DINU, I.; CIOCOIU, A.; TANASE, L.

Influence of colostrum on the development of young cattle.  
Studii cerc biol anim 14 no.1:47-55 '62.

1. Comunicare prezentata de N. Teodoreanu, membru corespondent al Academiei R.P.R., si membru al Comitetului de redactie, "Studii si cercetari de biologie; Seria biologie animala."

DINU, I.V., dr.; ROTH, L., dr.; DINU, N., dr.; HAMMER, A., chim.;  
GAVRILESCU, M., dr.

Research on the reticulohistiocytic system in allergy. Influence  
of cortisone treatment. Med. intern. 15 no.4:439-445 Ap '63.

1. Lucrare efectuata in Clinica a II-a medicala, I.M. Timisoara  
(prof. A. Paunescu-Podeanu).

(RESPIRATORY ALLERGY) (DRUG ALLERGY)  
(RETICULOENDOTHELIAL SYSTEM)  
(PHAGOCYTOSIS) (CORTISONE)  
(URTICARIA)

PAUNESCU-PODEANU, A.; DINU, I.; MOISE, O.

Regarding some different forms of staphylococcal infections; the  
biliary staphylococcal infections. Microbiologia (Bucur) 6 no.1:  
34 Ja-F '61.

x

SPORN, A.; DINU, Ileana

Influence of some chemical substances used in the food industry on the enzymatic activity of the liver, Studii cerc biochimie 7 no.1:23-34 '64.

1. Institute of Hygiene and Labor Protection, Bucharest.

PAUNESCU-PODEANU, A. prof., DINU, I., dr.

Clinical value and physiopathological significance of some non-specific intradermal tests in the diagnosis of allergic states. Med. intern. (Bucur.) 16 no.12:1409-1415 D '64

1. Lucrare efectuata in Clinica a II-a medicala, Institutul medical, Timisoara.

Dinu, Ileana

ROMANIA

S-ORU, A., MD; DINU, Ileana; PANAITESCU, Elena.

Section of Alimentation Hygiene of the Institute of hygiene  
and Labor Safety of the R.P.R. (Sectia de igiena a  
alimentatiei a Institutului de igiena si protectia muncii  
R.P.R.) - (for all)

Bucharest, Igiena, Vol XIII, No 2, Mar-Apr 63, pp 139-143.

"The Level of Ascorbinaemia in Several Groups of Workmen."

(3)

*Dinu, I. V.*

RUMANIA

DINU, I. V., MD.

Medical Clinic No II, Timisoara (Clinica II-a medicala).

Bucharest, Viața Medicală, No 6, 15 Mar 63, pp 419-424.

"Nonspecific Factors in the Maintenance of the Allergic Process. The Role of Para-Allergy in Allergy."

(1)

DINU, I.V., dr.; ROTH, L., dr.

Presence of anti-lung antibodies in the blood of asthmatic patients. Med. intern. (Bucur.) 16 no.12:1471-1476 D '64

1. Lucrare efectuata in clinica a II-a medicala, Institutul Med., Timisoara, (director: prof. A. Paunescu-Podeanu)

Country	: RUMANIA	
Category	: Farm Animals.	Q-3
	Swine.	
Abs. Jour	: Ref Zbir-Biol., No 1, 1958, 74080	
Author	: Dinu, I.; Serghei, A.; Grijincu, S.; Mihelitz,*	
Institut.	: Rumanian Academy of Sciences, Biology and**	
Title	: Studying the Effect of Iron upon Growth and Development of Suckling Piglets.	
Orig Pub.	: Bul. stiint. Acad. RPR. Sec. biol. stiint. agric., 1956, 8, No 3, 667-683	
Abstract	: The positive influence of copperas as a prophylactic and medicinal preparation against anaemia in suckling piglets is shown.	
Card:	1/1 *R. **Agriculture Branch.	

Country : RUMANIA Q  
CATEGORY : Farm Animals. Swine  
ABS. JOUR. : RZBiol., No. 13, 1958, No. 59564  
AUTHOR : Dinu, M.; Sergheie, A.; Posea, G.; Grijincu, S.  
INST. : Rumanian Academy  
TITLE : Studies on the Problem of the Increase of Fertility of Sows and Viability of Shoots by Means of the Application of Different<sup>\*</sup>  
ORIG. PUB. : Bul. stiint. Acad. RPR. Sec. biol. si stiinte agric. Ser. agron., 1957, 9, No 1, \*\*  
ABSTRACT : On the basis of industrially conducted experiments, the necessity was established of using twofold and threefold heterospermatic repeated mating in industrial swine raising, as well as that of the application of repeated mating (after 12 hours) with boars of the  
\* Modes of Mating and Raising of Sires under Different Environmental Conditions  
\*\* 79-91

CARD: 1/2

COUNTRY	:	RUMANIA	Q
CATEGORY	:	Farm Animals. Swine	
ABS. JOUR.	:	RZBiol., No. 13, 1958, No. 59564	
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT cont'd.	:	same breed but raised under different conditions as compared with sows in purebred swine raising.	

CARD: 2/2

Q - 55

RUMANIA/Form Animals. Swine

Q-3

Als Jour : Ref Zhur - Biol., No 19, 1958, No 89081

Author : Ghetie, V., Dinu M.

Inst : Rumanian AS

Title : Study of the Monodactylic (One-Hoofed) Swine in the Romanian People's Republic

Orig Pub : Bul. stiint. Acad. RPR. Sec. biol. si stiinte. agric. Ser. agron., 1957, 9, No 2, 127-142

Abstract : Studies of monodactylic swine showed that the second and third phalanges of their third and fourth toes underwent certain mutations. The third phalanx of the monodactylic swine is the result of the complete fusion of both these toes, divided from each other by two surface folds. This combined third phalanx is provided with an intermediate bone of unknown origin. The membrane ceratogena is thicker than in even-toes swine, and consequently the keratic box is thicker too. Its thickness equals not the thickness of the keratic layer but, as in a horse, the thickness of the

Card : 1/2

RUMANIA/Farm Animals. Swine

Q-3

Abs Jour : Ref Zhur - Biol., No 19, 1958, № 88091

hoof. Owing to the crowding of the growth of the two intercombined phalanges, the excess bony tissue was pushed out to the hock, where the keratic matter is softer and thinner. It is assumed that the Coriphodon, with its 5 toes of which the middle one served as support, was the common proto-parent of both the horse and swine. -- L.M. Dvinskaya.

Card : 2/2

COUNTRY : GERMAN DEMOCRATIC REPUBLIC  
CATEGORY : Farm Animals.  
          : The Swine.  
ABG. JOUR. : RZhZool., No. 3, 1959, No. 12057 Q  
  
AUTHOR : Ghiorzi, V.; Dinu, M.  
INST. : -  
TITLE : Studying the One-Hoofed (Soliped) Pig in the  
          People's Republic of Rumania.  
  
ORIG. PUB. : Arch. Tierzucht, 1958, 1, No 1, 74-86  
  
ABSTRACT : In the region of Bucharest a pig breed is  
raised whose feet have only one hoof. This  
characteristic, which is hereditary, is caused  
by the adhesion of the terminal "tarantula"  
(Galeodes aranoides). The structure of the  
extremities (skeleton, muscles, the blood  
supply system) is described and the peculiari-  
ties which differentiate the Rumanian pig  
from one-hoofed pigs of other countries are  
noted. -- V. I. Tsalkin

CARD: 1/1

68

DINU, M.; PADURARU, I.; TASCENCO, V.

Securing additional proteins for the hogs of the Marele Alb breed being fattened with maize. p. 171.

STUDII SI CERCETARI DE BIOLOGIE. SERI BIOLOGIE ANIMALA. Bucuresti. Vol. 11, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

DINU, M.; POPA, L.; PEDURARU, I. [Paduraru, I.]

Functional correlations between the thyroid gland with albumin fractions,  
blood glutathione, and the nucleic acids of the rabbit liver. Rev bioil.  
6 no.3:251-259 '61.

DINU, Mircea

Total extract of hypophysis used for the stimulation of the bodily development of swine. Studii cerc biol anim 12 no.3:409-422 '61.

1. Comunicare prezentata de N. Teodoreanu, membru corespondent al Academiei R.P.R., membru a Comitetului de redactie "Studii si cercetari de biologie, Seria biologie animala".

DINU, Mircea

Research on provoked hyperglycemia in rabbits. Comunicarile  
AR 12 no.11:1185-1190 N '62.

1. Comunicare prezentata de V.Ghetie, membru corespondent  
al Academiei R.P.R.

DINU, Mircea

Influence of ultraviolet radiations on the glucidic metabolism. Studii cerc biol anim 14 no.1:17-27 '62.

1. Communicare prezentata de V. Ghetie, membru corespondent al Academiei R.P.R., si membru al Comitetului de redactie, "Studii si cercetari de biologie; Seria biologie animala."

DINU, Mircea

Influence of thermal variations on the glycemia in rabbits. Studii  
cerc ~~animal~~ anim 14 no.4:507-516 '62

1. Comunicare prezentata de V. Ghetie, membru corespondent al  
Academiei R.P.R. si membru al Comitetului de redactie, "Studii si  
cercetari de biologie, Seria biologie animala"

DINU, M.; VERMESANU, N.; PADURARU, I.

Influence of the nature of proteins in the rations with increased content of maize on the physicochemical characteristics of swine carcasses. Studii cerc biol anim 14 no.13: 421-434 '62.

1. Comunicare prezentata de V. Ghetie, membru corespondent al Academiei R.P.R. si membru al Comitetului de redactie, "Studii si cercetari de biologie; Seria biologie animala."

DINU, Mircea

RUMIA

DINU, Mircea; POPA, Liviu.

Bucharest, Comunicările Academiei Republicii Populare Române,  
Vol XIII, No 12, 1963, pp 1079-1088

"Research on the Role of A.D.N. in Producing Specific Adaptive  
Changes in Birds." (Paper presented by V. Ghioție,  
Corresponding Member of the Academy of the Romanian People's  
Republic, at the meeting of 9 October 1963.)

DINU, M.; PADURARU, I.; NEDELNIUC, V.

Functional correlation to the thyroid gland with the morphophysiological characteristics in the ontogeny of rabbits. Studii cerc biol. anim.  
15 no.1:29-43 '63.

DINU, Mircea

Influence of ionized radiations on bird ontogeny. Comunicarile  
AR 13 no.10:891-900 0 '63.

DINU, M.; POPA, L.; PADURAREU, I.

Research on the correlation between the thyroid functional state  
and some biochemie constants in rabbit liver and blood serum.  
Studii cerc biol anim 15 no.2:159-169 '63.

1. Comunicare prezentata de V. Ghetie.

RUMANIA

DINU, M., Dr, Prof, SERBAN, Silvia, Eng, and VILCU, Blazena,  
Eng, of the "N. Balcescu" Agronomic Institute (Institutul  
Agronomic "N. Balcescu"), Bucharest..

"A Means of Stimulating the Growth and Fattening of Animals."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16,  
No 11, Nov 66, pp 13-18.

Abstract: The authors report the results of a number of experiments relating to the use of feces (particularly horse and chicken feces) as a growth stimulant. Good results were obtained in the fattening of pigs and in the raising of chickens. The economic advantages of the method are briefly discussed, and the importance of proper sanitary measures is emphasized.

Includes 4 tables and 7 references, of which 2 Rumanian, 2 Russian and 3 Western.

1/1

DINU, I.V., dr.; ROTH, L., dr.; DINU, N., dr.; HAMMER, A., chim.;  
GAVRILESCU, M., dr.

Research on the reticulohistiocytic system in allergy. Influence  
of cortisone treatment. Med. intern. 15 no.4:439-445 Ap '63.

I. Lucrare efectuata in Clinica a II-a medicala, I.M. Timisoara  
(prof. A. Paunescu-Podeanu).

(RESPIRATORY ALLERGY) (DRUG ALLERGY)  
(RETICULOENDOTHELIAL SYSTEM)  
(PHAGOCYTOSIS) (CORTISONE)  
(URTICARIA)

L 47281-66 EWP(j) RM

ACC NR: A16034601

SOURCE CODE: RU/0003/66/017/003/0136/0137

NICOLAU, Gabriela and DINU, N., of the Section of Organic Chemistry (Sectia de Chimie Organica) of the Academy of the Socialist Republic of Rumania ( Academia Republicii Socialiste Romania).

22

B

Preparation of Pure Monoglycerides from Commercial Products by Means of Urea."

Bucharest, Revista de Chimie, Vol 17, No 3, Mar 66, pp 136-137.

Abstract: The authors describe the use of urea to separate pure  $\alpha$ -mono-olein from commercial olein which also contains di- and tri-oleins. The method, which involves the formation of inclusion compounds with urea and the separation of the mono-olein from the compounds, has a nearly quantitative yield and is quite simple, making it suitable for practical use. [JPRS: 36,862]

TOPIC TAGS: urea, organic chemical industry, urea compound

SUB CODE: 07 / SUBM DATE none / ORIG REF: 002 / OTH REF: 008

Card 1/1 *dw*

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9

FAGARASANU, I., prof.; DINU, P.

Peroperative electronic biliary radionanometry with direct recording.  
Rumanian med. rev. no.8:64-67 '62.  
(COMMON BILE DUCT CALCULI)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9"

STAMATON,N., prof. LEONESCU, M., dr.; BICA NICOLAE,V., dr.; TONESCU,N., dr.;  
DINU, E., dr.

Human infections with *Mycobacteria pseudotuberculosis* serologically confirmed. Microbiologia (Bucur.) 9 no.4:331-336  
Jl-ag '64.

1. Lucrare efectuata la Catedra de microbiologie Facultati de medicina veterinara si Inspectia de stat pentru igiene si protectia muncii, Bucuresti.

DINU, R.

USSR/Virology. Human and Animal Viruses.

E-3

Abs Jour: Ref. Zhur-Biol., No 7, 1957, 28727.

Author : Dinu, R., Yakob, K., Nastak, E.

Inst : Not given.

Title : Resistance to Rabies of Rats in Experimental Reflex Epilepsy.

Orig Pub: Ustoychivost k beshenstvu u krys pri eksperimentalnoy reflektornoy epilepsii.

Zh. med. nauk Akad. RNR, 1954 (1955), 3, 137-143.

Abstract: Rats subjected to attacks of reflex epilepsy, caused by sonic stimulation, are not susceptible to infection by common rabies virus (the animals were injected in the occipital muscles by 0.5 ml of a 5% suspension of rabbit brain in a physiological solution).

6

Card : 1/1

DINU, Romulus

Morpho-physiopathology of viral epidemic hepatitis. Stud.cercet.  
inframicrobiol., Bucur. 5 no.1-2:55-61 Jan-June 54.  
(HEPATITIS, INFECTIOUS,  
viral, morpho-physiopathol.)

DINU, T.

Open road to good experiences in organizing socialist competition!  
Munca sindic 6 no.12:9-12 D '62.

1. Activist al Consiliului Central al Sindicatelor, Sectia Economica.

DINU, V.

Signalization Installations on the Petrila Preparation (Dressing) Plant.  
Revista Minelor (Mining Journal), #4:139:Apr 55

DINU, V.

Contributions to the Theory of Separating Coal into Three Products.  
Revista Minelor (Mining Journal), #9:303: Sept 55

DIMIN, V.

COUNTRY	Rumania	B-13
CATEGORY		
ABB. JOUR.	Romania, No. 21 1959, No.	75619
EDITOR	Chelarescu, A., Ursescu, G., Michita, O., Mihail	
TRANSLATOR	Iasi Polytechnic Institute	
TITLE	A Method for the Determination of the Composition of Large-Pore Concretes. I, II.	
ORIG. PUB.	Bul Inst Politehn Iasi, 3, No 3-4, 271-280 (1957)	
ABSTRACT	The results from laboratory studies undertaken for the purpose of determining the effect of var- ious factors on the thickness of the film of hy- drated cement surrounding the particles of aggre- gate are given. The data obtained permit a cal- culation of the optimum cement/water ratio for a given grade of large-pore concrete. V. Matlis	
CARD	1/1	
P. Panael, E., Dimu, V., Tudor, A., Dumitrescu, I., Ciubetaru, V., and Orloveschi, N.		

OERIU, S.; TANASE, I.; DINU, V.

Study on the aminoaciduria in the experimental tuberculosis of guinea pigs. Studii cerc biochimie 5 no.3:331-335 '62.

1. Catedra de chimie biologica din I.M.F., Bucuresti, si Colectivul de chimioterapie al Academiei R.P.R. 2. Membru corespondent al Academiei R.P.R. si membru al Comitetului de redactie, "Studii si cercetari de biochimie" (for Oeriu).

OERIU, S.; TIGHECIU-DUMITRESCU, M.; ENACHE-PEREDERI, L.; GRIGORESCU, G.;  
MANESCU, M.; COSTESCU, G.; TEODORESCU, O.; SOIMU, I.; TANASE, I.;  
DINU, V.; GEORGESCU, P.; POPESCU, I.; PAUNESCU, E.

Session of the Society of Medical Sciences; April 24, 1962. Studii  
cerc biochimie 5 no.3:477-478 '62.

1. Catedra de biochimie I.M.F. (for Oeriu, Tigheciu-Dumitrescu,  
Enache-Perederi, Grigorescu, Manescu, Costescu, Teodorescu,  
Soimu, Tanase, and Dinu). 2. Institut de fiziologie (for Georgescu,  
Popescu, and Paunescu).

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9

DINU, Valeriu, ing.; TEBEICA, Al., ing.

Considerations of the hydrologic role of forests. Meteorologia  
hidrol gosp 6 no.4:302-317 '61.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9"

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9

DINU, Valeriu, ing.

Colloquy on the conservation and restoration of soils.  
Meteorologia hidrol gosp ? no.2:151-152 '62.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410420010-9"

DINU, Vasilica

Concern that the employees and workers respect the medical prescriptions. Munca sindic 7 no.7:57-59 Jl '63.

1. Responsabila comisiei de asigurari sociale a comitetului sindicatului de la Uzina mecanica Turnu Severin.

DINU, Viorica

RUMANIA

Ing M. POP, Animal Husbandry Research Institute; Ing M. MACRI, Suceava; Ing Viorica DINU, Bucharest, and Veterinarian Sanda CONSTANTINESCU, Galati.

"Artificial Insemination of Hens."

Bucharest, Revista de Zootehnice si Medicina Veterinara, Vol 13, No 4, Apr 63; pp 45-52.

Abstract [English summary modified]: Artificial insemination of hens permit rapid upgrading of stock with optimal utilization of the expensive roosters of noble breeds: 0.52 ml. semen can be obtained by abdominal massage from rooster, suffices for 100 to 150 hens. Complete technical details. Table; 8 photographs of technique; 3 Soviet, 4 Rumanian include thesis, 3 Western references.

1/1

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